Thank you for purchasing your new CAMSPORTS helmet sports camera!

Preface

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Safety Information

Please read the following safety instructions, and keep the user manual for future reference.
Do not operate your CAMSPORTS while moving.
Only handle the camera when it is safe for you and for others.
Do not place your CAMSPORTS near sources of heat or near extremely high temperatures, as doing so could damage the housing and main components. Take care to only use the camera within its operating temperature range.
Your camera includes a class 2 laser pointing device (CDRH Class II, IEC Class 2). Never look directly into the laser beam and never view the laser beam using an optical instrument. Do not point the laser beam at people or animals. For safety information about your camera's laser pointer, visit http://www.camsports.com

Routine care

Clean your CAMSPORTS with a soft cloth. Do not use abrasive powders or solvents, such as benzene or thinner.

Disclaimer

CAMSPORTS will not, under any circumstances, be responsible for injuries or property damage incurred during the use of its products. CAMSPORTS digital video cameras are exclusively intended for sports video recording and must be used in compliance with local copyright laws. The user assumes full responsibility for the use, reproduction and distribution of any sounds/images/videos captured with CAMSPORTS devices.

Product Overview

The CAMSPORTS HDmax is a small, all-in-one design that is convenient for you to record activities anytime and anywhere. With the high speed dynamic photograph function, it can clearly record any activity, and let you share the experience with anybody. The HDmax has world leading digital video/photography/audio storage, high-speed HDMI video transmission and other functions, as well as a number of invention patents & technical patents.

The CAMSPORTS HDMax comes in two different version :
- HDMax Premium : works only in 30 frames per second
- HDMax Extreme : has additional 60 frames per second modes (1280 x 720p and 848 x 480p) and additional accessories (HDMI cable, wired remote control)

Water-resistant features

The HDMax is not waterproof unless used with the optional waterproof case (sold separatly)
CAMSPORTS will not assume any responsibility for damages or malfunctions caused by liquid entering the cameras as result of misuse. Your CAMSPORTS is shock resistant.

Package Contents:

1 Goggle Mount
1 Flat Mount with adhesive stickers
1 Handlebar Mount
1 Vented Helmet Mount with elastic strap
1 Lanyard Rope
1 Carry pouch
1 USB Cable
1 AV-OUT Cable
1 AC charger
1 Li-Ion 1000mA battery
1 User manual (CD-ROM)
Additional accessories for HDMax Extreme : HDMI Cable, wired remote control, 2 flat mounts

Computer System requirements:

- Windows XP, Windows Vista, Windows 7 and Apple Mac X 10.4 and later
- 4 Gb RAM
- 16 Gb Free hard disk space
- 1980 x 1080p resolution video support
- 16 bit Windows compatible sound device

Technical specifications:

1. Resolutions HDMax Premium :
   1920 x 1080 (30 fps) 1440 x 1080 (30 fps), 1280 x 720 (30 fps), 848 x 480 (30 fps)
   Resolutions HDMax Extreme :
   1920 x 1080 (30 fps), 1440 x 1080 (30 fps), 1280 x 720 (30/60 fps), 848 x 480 (30/60 fps)
2. Integrated 2.0-inch 960 x 240 pixels TF LCD
3. Image sensor: 5 Mega pixel, 1/2.5-inch CMOS sensor
4. Wide angle lens : 135° in 720p, 110° in 1080p
5. Video output: HDMI CTS1.2 Compliant
6. Composite video output (AV-OUT)
7. Video signal format: MPEG-4 AVC/H.264
8. 5 Mega pixels still pictures shooting
9. Recording format: MOV (AVC1)
10. Lens design rotates 200° to allow multiple camera mounting positions.
11. Built-in microphone/speaker (single channel)
12. Recovering function makes it possible to recover files which have been lost.
13. Electronic shutter1/2-1/1000 second
14. USB2.0/HDMI/TV jack
15. Support external Micro SD Card up to 32Gb (Class 4)
16. Overwrite recording, Motion-Detection, Real-time stamp
17. Built-in high capacity li-ion battery, 3.7V/1000mAh
18. Working humidity: 10% ~ 98%
19. Temperature: -10 ~ 60℃
20. Dimension: 102 x 57 x 38 mm (L x W x H)
21. Camera weight- 122 grams

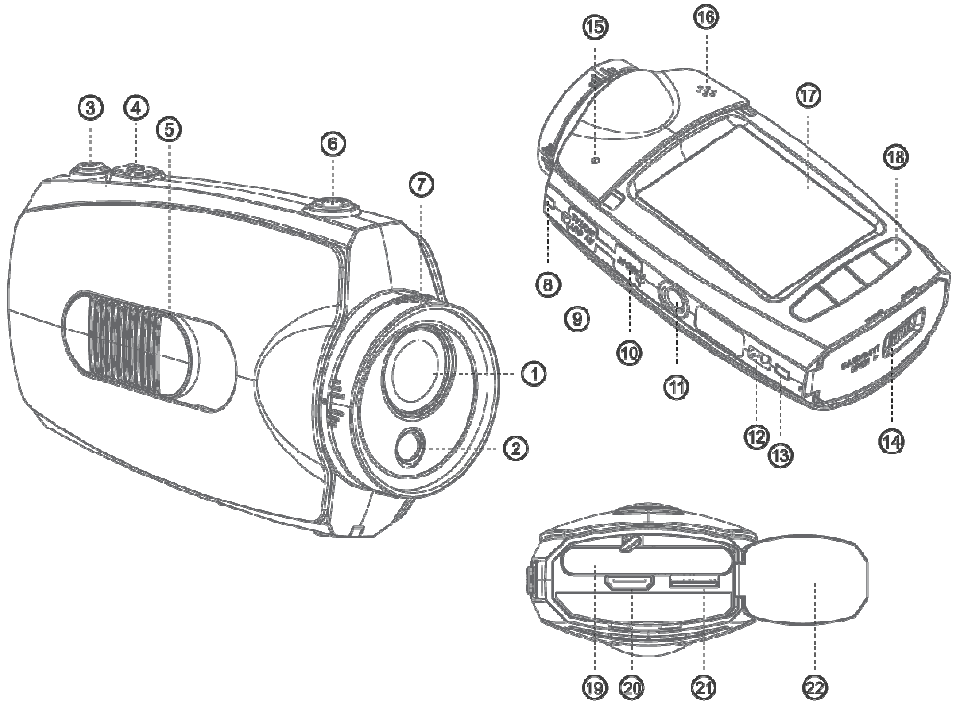
Using your LASER pointing device (please read the safety information):

The laser pointing device indicates the position of the rotating lens. Rotate the lens until the laser line is perfectly horizontal. The laser will come on for 10 seconds when you start recording and then go out automatically. To switch the laser back on while recording, quickly press and release the record button. To switch it back off, press the record button again.

Firmware updates

Please check the current software version if you want to get the latest firmware update then please compare with the latest version on the CAMSPORTS' website.

Parts:



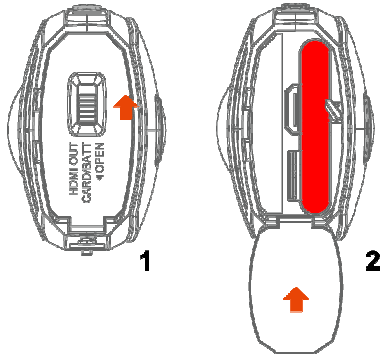
1. 135° (720p) - 110° (1080p) lens
2. Horizontal laser light
3. Camera shutter
4. [⊙]Press and Hold for 2 seconds to power on or power off the Cam
5. Recording key
6. Turn on or turn off the horizontal laser light
7. 200°rotating lens
8. Recording indicator
9. External MIC interface
10. Wired-Remote, USB, AV-OUT connectors
11. 1/4 Screw Thread
12. Lanyards orifice
13. Power indicator
14. Locking key of rear cover
15. Internal MIC
16. Loudspeaker
17. 2-inch LCD Screen
18. Playback integrated key
19. Battery Holder
20. HDMI output jack
21. Micro-SD Holder
22. Screen Cover

Mounts

- A .Cradle: with two 1/4 tripod threads fitted for use with other mounts as shown below, this camera can be widely used with any equipment and any application.
- B. Goggle Strap Mount: can be fixed on to your goggle strap and any other elastic band or strap.
- C. Flat Mount: With a high performance, waterproof and heat-resistant 3M sticker at the back, it is ideal for flat, non-porous surfaces.
- D. Bar Mount: with 3 sizes of rubber, the camera can be mounted on to the tubes of mountain bike handle bars, roll bar cages etc.
- E: Vented Helmet Mount, with the Velcro strap is ideal for mounting the camera to various styles of vented helmets.

Installing the battery

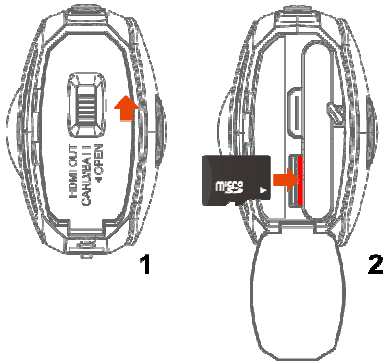
- Slide the lock on the rear cover and it will automatically open. (1)
- Follow the instructions. Insert the battery with the correct Polarity (+/-)
- Push the rear cover closed. (2)
- NOTE: If you do not intend to use the produc for a long time, please remove the battery.
- Batteries contain chemical substances so they should be handled and disposed of correctly.



Installing the micro-SD card

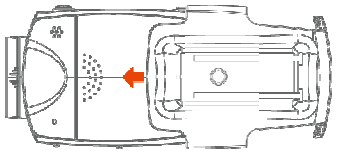
- Slide the lock on the rear cover and it will automatically open. (Refer to picture4)
- Follow the instructions. Insert the SD card in the correct direction. (Refer to picture 5)
- Push the back cover to the closed position. (Please refer to picture6)

Note: The HDMax requires a class 4 or above SD card to operate correctly. Most faults with operating cameras are because a cheap SD card is used. Choose additional SD cards with care.

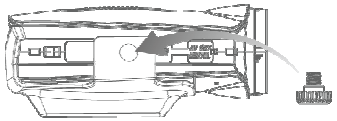


Installing the mounts

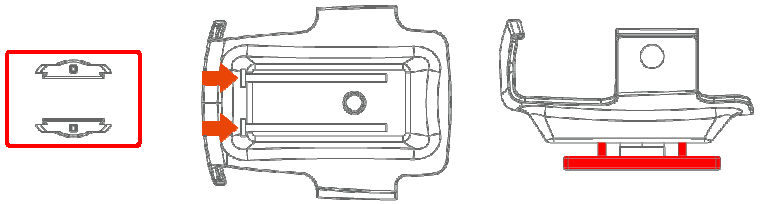
Fix the mounts to the camera in the correct direction.



Using the screw cap to fix the mount to the 1/4 thread of camera (Or it can be fixed on other 1/4 tread mounts.



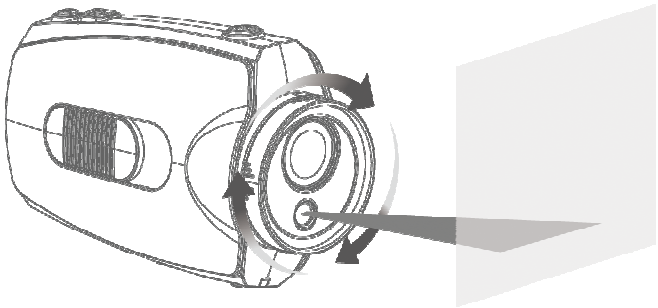
Slide any mount of B/C/D/E into the holder of “A” mount.



Make sure the mount locks in firmly to avoid the cradle sliding out of the mount during operation.

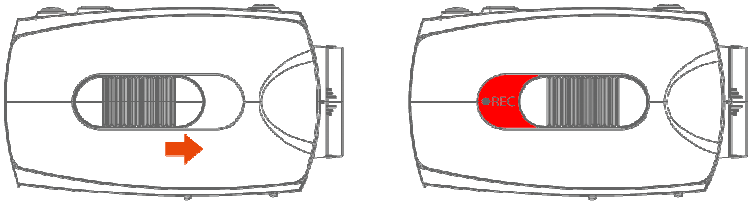
Quick Start:

- Always operate your CAMSPORTS in a safe place and in safe conditions for you and for others
- Choose the appropriate mount and ensure it is fitted securely and tightly so that it can not come loose while shooting your videos.
- Press [⊙] key and hold for 2 seconds to power up the camera.
- Adjust the lens to the proper angle.
  a) Face a blank surface and press the laser button to turn on the lasers (The lasers will disappear in 15 seconds). The laser can be turned on or off at any time with the laser light button.
  b) Check whether the laser light is horizontally aligned. If not, rotate the lens until it is in the



horizontal state.
The indicator light glows green to indicate standby mode.

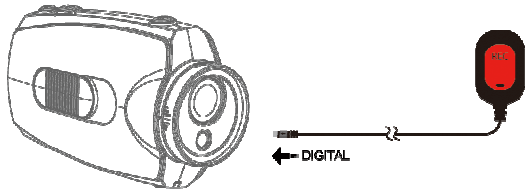
- Start / stop recording
  a) Slide the recording switch forward. The recording indicator (red) turns on and flashes while camera beeps (These audio beeps can be turned off in the menu), and camera is recording .



b) To stop recording, slide the switch backwards, the recording indicator turns off and the camera beeps and stops recording.
With the LCD screen constantly on the battery will only last for approximately 30 minutes. By pressing the LCD button [⊙] the screen will turn off and then the battery will last for 2-3 hours. By pressing the LCD button [⊙] for 2 seconds the camera will completely turn off.

Start / stop recording by the remote controller (HDMax Extreme)

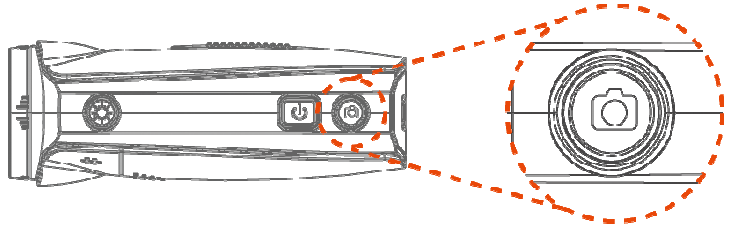
- Press [⊙] key (hold for 2 seconds) to power up the camera.



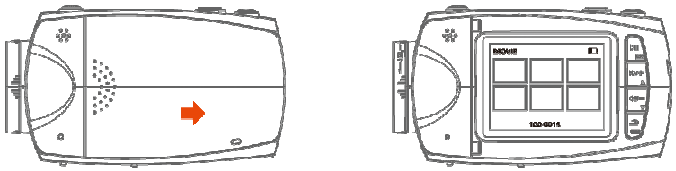
- Connect wired remote to the DIGITAL interface of camera
- Press 【REC】 key on the wired remote to start recording, recording indicator (red) turns on and flashes when it is recording.
- During recording, press 【REC】 key on wired remote again to stop, and recording indicator turns off when camera stops recording.

Picture shooting instructions

In standby mode (no video recording) , press the front key to take photos.
The picture size is 2560 x 1920 pixels.



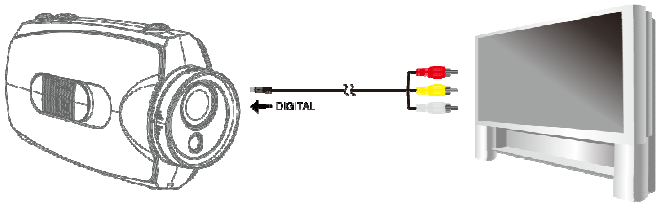
Playback on the camera



- Press and push the screen cover backwards to open it.
  Gently press【LCD】key , and the screen will come on.
- Press【MODE】to switch until you see the Play Mode, the screen shows 6 video files per page in grid form.
- Press 【+】 【−】to choose which video to play, the video will be highlighted with yellow borders, press 【▸ 】to start recording, and press again to stop.
- When playing video, user can short press 【+】 【−】to turn up or turn down the volume.
- When playing video, user can Long press 【+】 【-】to Fast forward or reverse at X2/X4/X8.
- Press【MODE】to stop playback, and return to the video files listing.
- Gently press【LCD】key to turn the LCD screen off.
- Push the rear cover back on to protect the screen when not in use.

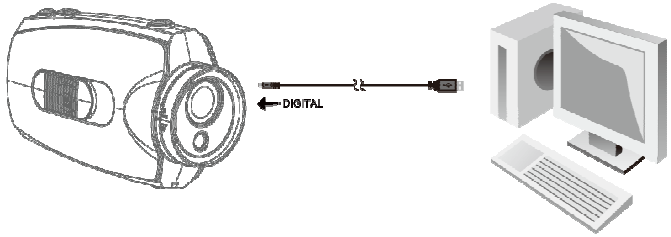
Playback on TV/display device

- Connect one end of AV-out cable to the DIGITAL interface on the base of the camera, and connect the other end of AV-out cable to your TV or other display device.
- Turn on the TV or display device, and enter into the AV-in mode.
- Press【MODE】to switch to Play Mode, the screen shows 6 video files per page in grid form.
- Press 【+】 【—】to choose which video to play, the video will be highlighted with yellow borders, press 【▸ 】to start recording, and press again to stop.
- When playing video, user can short press 【+】 【—】to turn up or turn down the volume.
- When playing video, user can Long press 【+】 【—】to Fast forward or reverse at X2/X4/X8.
- Press【MODE】to stop playback, and return to the video files list.
- Gently press 【LCD】key, and LCD Screen is off.
- Push the screen cover back on to protect the screen when not in use.



Playback on a PC

Connect AV-out cable to digital interface of camera, and connect the other end of AV-out cable to USB jack of PC.



INPUT connections

External MIC : Connect external MIC device to camera for capturing higher quality audio.

OUTPUT connections

HD TV via HDMI : Connect HDMI cable to HDMI interface on the camera and HDMI interface of TV. The LCD will turn off automatically when connected to TV.

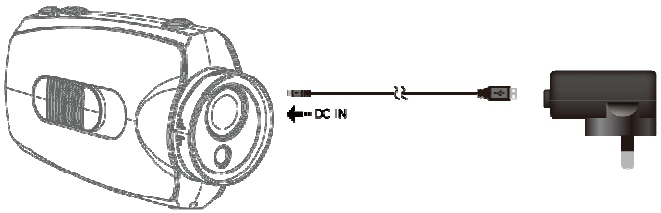
TV via AVOUT : Connect the AV cable to AV-OUT jack of camera and AVIN jack of TV. The LCD will turn off automatically when connect to TV.

Connect to PC via USB

Connect USB to the Digital interface of camera and USB port on the PC.

Connect to power source

Connect the power line to DIGITAL interface of camera, power light (Red) is on when it is connected. When the camera is off, connect the power line to camera, it will supply power for the camera. Power light (Red) is off when fully charged.



System function settings

1: Press 【▲】 【▼】key to shift the yellow cursor, choose the function, press 【OK】key to set up.
2. Press 【▲】 【▼】key to choose the needed function, press【OK】again.
Press【MODE】to switch into system function settings mode.
3. After Pressing【OK】key it will automatically return to the main menu.

RESOLUTION
Set up the required recording resolution:
FULL HD = 1920 x 1080p 30 frame per second (fps)
1080P30 = 1440p x 1080 30 fps
720P60 = 1280 x 720p 60 fps (HDMax Extreme)
720P30 = 1280 x 720p 30 fps
WVGA = 848 x 480 60 fps (HDMax Extreme)
WVGA = 848 x 480 30 fps
The higher resolution you choose the less video you can fit on your SD card.
Optionnaly, the resolution 720P50 and 720P25 can be used to fit video editing in 25 fps

QUALITY
H: High
L: Low
M: Medium
The higher the quality setting you choose the less video you will be able to store on your SD card.

VIDEO ROTATION
Using this setting you can invert the image being recorded. This is useful if you wish to film with the camera in the upside down position. The image will be flipped the right way up using this setting.

- STANDARD : Choose this setting when the camera is installed in the normal position
- INVERTED : Choose this setting when the camera is installed in the inverted position.

RECORD MODE
When using in different countries, choose the TV system according to local standard. The image will be flickeringly if the TV system is set incorrectly. Choose PAL or NTSC

EXTERNAL MIC VOL
The volume of external MIC or audio equipment can be set, and there are 7 grades that can be selected. It will be stereo when it is used with the external MIC.

INTERNAL MIC VOL
The volume of internal MIC can be set and there are 7 grades to be selected, there will be stereo when it is used with the external MIC, defaults to right channel.

RECORD OVERWRITE
When set as the RECORD OVERWRITE mode, the video will default to 5 minute per file. When the card is full it will start overwriting the earliest recorded files.

MOTION DETECTION
When set in the MOTION DETECTION mode, the camera will automatically start recording when it detects any kind of movement in its filming range. When the motion stops, the camera will automatically stop recording again.
Setting as below:

- NO: No start MOTION DETECTION function
- 1 MIN: Start MOTION DETECTION function, it will delay 1 minute to stop recording after the object leaves the shooting range
- 3 MINS: Start MOTION DETECTION function, it will delay 3 minutes to stop recording after the object leaves the shooting range
- 5 MINS: Start MOTION DETECTION function, it will delay 5 minutes to stop recording after the object leaves the shooting range.

TIME STAMP
With this setting, the current time will be stamped on the video and the recording time can be seen during playback.

- OFF: No time stamp
- DATE: DATE only
- TIME: TIME only
- DATE/TIME: both DATE/TIME

TV TYPE
Choose the correct video output system when connecting AVOUT to TV. The image on the TV will be flickering if the TV system is incorrect. Choose PAL or NTSC

TIME SETUP
There is year / month / day / hour / minute to set up on the camera.

BEEP SOUND
When you operate the camera, the key tone can be set to on or off.

FORMAT
Formats the micro SD Card.
Note: All files in the MICRO SD will be deleted and will be unrecoverable after formatting.
We suggest you format your memory card on a regular basis.
Should you have a problem with your camera, formatting the memory card will quite often solve the issue.

LANGUAGE
Select the needed language

- English
- Français

Other tips for successful filming:

- Before leaving home, check that your camera has enough free space for recording and that the battery is fully charged.
- Test your camera in different positions so that you don't lose great footage because of poor positioning.

Recharging the battery from your computer:

If the camera fails to start recording, the battery has probably run down and needs to be recharged. Recharge the battery as follows:

- Connect the USB cable supplied to the mini-USB port of your camera
- Connect the cable USB connector to your computer (in most cases, your computer must be switched on for the battery to recharge) or connect the USB connector to the AC wall charger supplied.

The camera should take a maximum of 3 hours to fully recharge using a computer USB port. When recharging, the LED record indicator will be red. At full charge, the LED will turn off. If the device has not been used for a long time, it is better to recharge battery before use.

Troubleshooting:

My CAMSPORTS does not start:

- The battery power may be running low: recharge the battery
- the camera may be locked: reset and try again

My CAMSPORTS switches off automatically:

- The battery power is running low : recharge the battery
- The memory is full: delete files to free up space on your camera

When my CAMSPORTS is connected to my computer, I cannot find the new drive folder:

- There may be a problem with the USB cable: check the USB connection or replace the USB cable
- There may be a problem with the USB port: try another USB port or restart the computer

My CAMSPORTS did not save my last data:

- The Memory may be full: delete files to free up space on your camera

My computer cannot play my CAMSPORTS video files:

- Make sure your computer has the latest codec releases for the AVC1 and MP4a

Further Help:

If you have any other enquiries or suggestions about your CAMSPORTS, you can contact your local dealer or send an email to our Technical Support department at support@camsports.com

Please note that for any Return Material Authorisation or replacement you should contact your local dealer.

This device complies with Part 15 of the FCC Rules: It can be operated without causing harmful interference and it can accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INFORMATION FOR USERS according to European Directives 2002/95/EC and 2003/108/EC on the restriction of the use of hazardous substances in electrical and electronic equipment and waste disposal.

The symbol of the crossed-out wheeled bin printed on the packaging indicates that this product must be collected separately from other waste at the end of its working life.

The user must hand the product over to a designated collection site for waste electrical and electronic equipment or return it to the retailer on a one-for-one basis when buying a new similar product.

By correctly separating this product for recycling, processing or environmentally friendly disposal, you will be helping to prevent possible negative impacts on the environment and human health, and contributing to the recycling of its component materials.

Users who dispose of this product illegally may be liable to prosecution under applicable laws.

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